



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Antje Wenzel, et al

SERIAL NO.: 10/737,279

FILED: December 16, 2003

FOR: Method of Producing Phyllosilicate-Intercalation Compounds

EXAMINER: --

GROUP: 1754

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR sections 1.97 and 1.98, applicant respectfully requests that the documents listed on the attached form PTO-1449, be made of record and considered in connection with the examination of this application. Copies of the listed document are enclosed. A translation of the foreign language document(s) is not readily available.

The documents submitted herewith were cited in a Search Report (copy enclosed) issued in a European application corresponding to the above-referenced application.

U.S. Patent No. 4,956,121 discloses a dimethylacetamide mica and vermiculite suspensions.

U.S. Patent No. 5,326,500 discloses a vermiculite composition with improved chemical exfoliation.

European Publication EP 0 429 246A1 discloses a low temperature expandable vermiculite and an intumescent sheet material containing the same.

German Publication DE 696 15 090 T2 (corresponds to European Patent No. 747,322 laid-open December, 1996) discloses a method of producing phyllosilicate-intercalation compounds according to which a native expandable phyllosilicate, in particular vermiculite is subjected to ion exchange with at least one cationic surfactant, and at least one organic intercalate compound is intercalated in the phyllosilicate.

German Publication DE 696 15 090 T2 (correspond to European Patent No. 718,237, first laid-open June, 1996) discloses to intercalate directly into phyllosilicate, without a preliminary ion exchange, dimethylacetamide, dimethylformamid or dimethylsulfoxide.

Patent Abstract of Japan of Application 09227149 discloses an organic clay complex containing melamine resin.

No fee is due with this Information Disclosure Statement as it is being submitted before the first Office Action on merits.

Respectfully submitted,



Alexander Zinchuk

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Dated: April 20, 2004

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 20, 2004.

Alexander Zinchuk

Signature: 

Form PTO-1449

Docket No.: DT-6701

Serial No.: 10/737,279

INFORMATION DISCLOSURE
SECTION IN AN APPLICATION

Applicant(s): Antje Wenzel, et al

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U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
AA	4 9 5 6 1 2 1	9/1990	Tymon, et al			
AB	5 3 2 6 5 0 0	7/1994	Friedman, et al			
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

Document Number	Date	COUNTRY	Class	Subclass	TRANSLATION YES NO
AL 0 4 2 9 2 4 6	5/1991	Europe			
AM 9 6 1 5 0 9 0		Germany			X
AN 9 5 1 7 2 8 9		Germany			X
AO					
AP					
AQ					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Patent Abstract of Japan, Publication No. 09 227 119A, September 2, 1997
AS	
AT	

SMINER

DATE CONSIDERED